

WHAT IS CLAIMED IS:

- 1     1.     A vent for a corrugated wall, comprising:  
2           a sheet of material bent to form two or more panels such that the vent fits within the  
3           corrugations of the corrugated wall, wherein the sheet of material includes one or  
4           more openings.
- 1           2.     The vent of claim 1 wherein the one or more of the panels is substantially  
2           rectangular in shape.
- 1           3.     The vent of claim 1, wherein the sheet of material is made from a ferrous or  
2           non-ferrous metal, fiberglass, vinyl, or plastic material.
- 1           4.     The vent of claim 1 wherein the two or more panels are sized such that no  
2           portion of the vent protrudes beyond an outer surface of the corrugated wall.
- 1           5.     The vent of claim 1 further comprising a screen having screen openings  
2           smaller than the one or more openings in the vent attached to the sheet of  
3           material such that the screen covers the openings in the vent.
- 1           6.     The vent of claim 1 wherein the one or more openings include a plurality of  
2           louvers.
- 1           7.     The vent of claim 6 wherein the louvers are arranged in a chevron pattern on  
2           one or more of the panels.
- 1           8.     The vent of claim 1 wherein the two or more panels include a central panel  
2           disposed between two outer panels.
- 1           9.     The vent of claim 8 wherein each of the two or more outer panels is bent at an  
2           angle of greater than 0° and up to about 90° with respect to the inner panel.
- 1           10.    The vent of claim 9 wherein each of the two or more outer panels is bent at an  
2           angle of about 28° with respect to the inner panel.
- 1           11.    The vent of claim 8 wherein each of the outer panels has a length that is  
2           slightly less than a length of corresponding slanted portions of a corrugated  
3           wall to which the vent is to be attached.

- 1 12. The vent of claim 8 wherein each of the outer panels is bent at approximately  
2 a right angle with respect to the central portion.
- 1 13. The vent of claim 8 further comprising first and second side wings, each side  
2 wing being respectively attached to one of the outer panels.
- 1 14. The vent of claim 8 wherein the side wings are bent at an angle with respect to  
2 the outer panels such that the side wings overlap a peak portion of a  
3 corrugated wall to which the vent is to be attached.
- 1 15. The vent of claim 14 wherein the side wings are bent at approximately a right  
2 angle with respect to the outer panels and the outer panels are bent at  
3 approximately right angles with respect to the central panel.
- 1 16. The vent of claim 8 further comprising additional panels so that the vent may  
2 cover multiple corrugations in the corrugated wall.
- 1 17. A method for ventilating a corrugated cargo container, the method comprising:  
2 forming a hole in a wall of the cargo container;  
3 covering the hole with a sheet of material bent to form two or more panels such that  
4 the vent fits within the corrugations of the cargo container, wherein the sheet of  
5 material includes one or more openings.
- 1 18. The method of claim 17 further comprising attaching a screen to the panels,  
2 wherein the screen covers the openings.
- 1 19. The method of claim 17 wherein the hole has slightly smaller dimensions than  
2 the dimensions of the vent so that the vent at least partially overlaps the  
3 corrugated wall.
- 1 20. The method of claim 17 wherein the vent is attached to the corrugated wall by  
2 riveting, welding, taping, sheet metal screws, or gluing.
- 1 21. The method of claim 17, further comprising sealing the vent to the corrugated  
2 wall.
- 1 22. The method of claim 17 further comprising covering the hole with a screen  
2 having screen openings that are smaller than the openings in the vent.

- 1 23. The method of claim 22 wherein the screen includes a frame made of a  
2 material that can be bent to conform to the corrugations of the wall.
- 1 24. The method of claim 23 wherein the screen is attached to one side of the  
2 corrugated wall and the vent is attached to the other side of the corrugated  
3 wall.
- 1 25. The method of claim 23 wherein the vent and the screen are attached to the  
2 wall using fasteners that penetrate the vent, the wall, and the frame.
- 1 26. A cargo container, comprising:  
2 three or more walls, a floor and a roof arranged in a substantially box-like  
3 configuration, wherein at least one of the walls includes one or more corrugations;  
4 and  
5 one or more vents attached to the wall having the corrugations, wherein the vent  
6 includes a sheet of material bent to form two or more panels such that the vent fits  
7 within the corrugations of the cargo container, wherein the sheet of material includes  
8 one or more openings.
- 1 27. The cargo container of claim 26 wherein the two or more panels are sized such  
2 that no portion of the vent protrudes beyond an outer surface of the corrugated  
3 wall.
- 1 28. The cargo container of claim 26 wherein the vent includes a screen having  
2 screen openings smaller than the one or more openings in the vent, the screen  
3 being attached to the sheet of material such that the screen covers the openings  
4 in the vent.
- 1 29. The cargo container of claim 28 wherein the screen is attached to one side of  
2 the corrugated wall and the vent is attached to the other side of the corrugated  
3 wall.

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